



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

646.4001
Job Sheet 208661



Part No: 646.4001

Job Qty: 1 pcs

Part Name: AS350 Cable Cutter System



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/30/20

Job Tracking No:

Due Date: 4/14/20

Created By: Jennifer Renwick

Type: SOLD

Description:

Note: DWG REV C1 IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM IPP REV:C 16.01.07 AS PER DWG REV.C DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	4/14/20		0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com



Container No: S267777



Part: 646.4001

Job No: 208661

Serial No/Batch: S267777

Revision:

Inspector:

Exp Date:

Instructions:

08/28/2020
FAA STC SR02180LA 14/08/07 JTS STC SH09 -

Plex 3/30/20 8:26 AM Dart.Renwick.Jennife

					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
					Packaging 1 - 37	
120 QC 4	1 pcs	4/14/20	0.00	0.00	QC 4 - 28	
					QC 4 - 58	
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
					QC 4 - 68	
					QC 4 - 72	DAS
					QC 4 - 74	72
					QC 4 - 75	9-89
					QC 4 - 78	
					QC 4 - 84	
					QC 4 - 80	
					QC 4 - 85	
130 Packaging 3-1 - Stock - B4B	1 pcs	4/14/20	0.00	0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	DAS
					Packaging 3 - 25 - B4B	72
					Packaging 3 - 26 - B4B	9-89
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
					Packaging 3 - 37 - B4B	
135 DC - 1 - B4B	1 pcs	4/14/20	0.00	0.00	DC - 1 - B4B	DAS
					DC - 2 - B4B	21 9-89

APR 08 2020

140 QC 21 - FG	1 pcs	4/14/20	0.00 0.00	QC 21 - FG - 21		
				QC 21 - FG - 70	DAS	APR 08 2020
				QC 21 - FG - 53	21	
					9-88	

Part Op 110 - pick kit
 Descriptions: 120 - QC4- 100% Inspect kits for completeness
 130 - Identify and pack for shipping as per PPP 646.4001 Location: _____
 135 - Document Control - Photocopy bluefile & type labels per PPP 646.4001
 140 - QC21- Final Inspection - Work Order Release

015272

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0129	VHB Tape	8 ft (8 ea)	110-Packaging 1 - Pick Kit	5215203
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5248658
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5248659
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5266998
600.1013	021200-3M Tape Primer 94 Primer 24216	5 Ea (5 ea)	110-Packaging 1 - Pick Kit	5221172
646.2910	Deflector	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5220095
646.3001	Lower Cable Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5260179
646.3110	Channel	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5233062
646.3210	Support	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5221454
646.3301	Upper Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5262465
646.3510	Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5218952
646.3511	Strut	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5218965
646.3610	Filler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5230345
646.3710	Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5244287
646.3711	Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	528358
646.3712	Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5219276
646.3713	Gusset	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5219291
646.3714	Gusset	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5197814
646.3715	Strut Doubler	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5218112
646.3716	Gauge Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5233890
646.3717	Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5235110
646.3718	Custom Washer	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5219261
646.3719	Doubler	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5218795
646.3810	Bracket	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5233924
646.3811	Radius Block	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5196042
646.3812	Gusset Bracket	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5236995
646.3813	AS350 Strut Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5234869
646.3910	Shim	4 pcs (4 ea)	110-Packaging 1 - Pick Kit	5236294
646.3911	Shim	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5226038
646.3912	Shim	4 pcs (4 ea)	110-Packaging 1 - Pick Kit	5218106
646.3913	Shim	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5218110
646.9410	Shim	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5056998
647.0112	Strut Bracket	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5258631
647.7703	Strut Assembly	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5258162
650.9201	Eyelet Bracket Assembly	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5222682
AN3-11A	Bolt	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	5249339
AN3-12A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5166926
AN3-13A	Bolt	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5228738
AN3-3A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5253401
AN3-4A	Bolt	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	5253438
AN3-5A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5255501
AN3-6A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5194345
AN316C4R	Nut, Jam	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5227999
AN44-5A	Eyebolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5216370
AN4C7A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5220451
AN665-34R	Clevis	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5239635
CCR264SS3-02	Cherry Rivet	36 Ea (36 ea)	110-Packaging 1 - Pick Kit	5218602
CR3213-5-3	Cherry Rivet	14 Ea (14 ea)	110-Packaging 1 - Pick Kit	5231329
MS20426AD5-7	Rivet	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	51133922-36
MS20470AD5-5-5	Rivet	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5155675
MS20470AD5-6	Rivet	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5048897

9-80-20
 9-30-2020
 5-31-2020

MS20470AD5-7	Rivet	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5263251
MS21042L08	Nut	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5250462
MS21042L3	Nut	63 Ea (63 ea)	110-Packaging 1 - Pick Kit	5248081
MS21042L4	Nut	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5265315
MS21047-3	Nut Plate	18 Ea (18 ea)	110-Packaging 1 - Pick Kit	5257794
MS24693-C278	Screw	5 Ea (5 ea)	110-Packaging 1 - Pick Kit	5235148
MS24694-S51	Screw	5 Ea (5 ea)	110-Packaging 1 - Pick Kit	5185069
MS24694-S54	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5185040 5228823
MS24694-S55	Screw	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	5247525
MS27039-08-13	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5247871
MS27039-1-10	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5231296
MS27039-1-12	Screw	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	5231298
MS27039-1-16	Screw	24 Ea (24 ea)	110-Packaging 1 - Pick Kit	5157063
MS27039-1-19	Screw	22 Ea (22 ea)	110-Packaging 1 - Pick Kit	5243917
MS27039-1-20	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5228014
MS27039-1-21	Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5171793
NAS1149F0332P	Washer (AN960-10L)	144 Ea (144 ea)	110-Packaging 1 - Pick Kit	5237779
NAS1149F0363P	Washer (AN960-10)	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5075330
NAS1149F0432P	Washer (AN960-416L)	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5259479
NAS1149FN832P	Washer (AN960-8)	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5248080

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	600.0129	8	290	0
	600.0990	1	43	0
	600.0991	1	46	0
	600.1012	1	39	0
	600.1013	5	135	0
	646.2910	1	12	0
	646.3001	1	13	0
	646.3110	1	15	0
	646.3210	1	11	0
	646.3301	1	11	0
	646.3510	1	20	0
	646.3511	1	18	0
	646.3610	1	33	0
	646.3710	1	31	0
	646.3711	1	13	0
	646.3712	1	19	0
	646.3713	1	18	0
	646.3714	1	19	0
	646.3715	2	45	0
	646.3716	1	34	0
	646.3717	1	20	0
	646.3718	2	25	0
	646.3719	2	10	0
	646.3810	2	45	0
	646.3811	1	27	0
	646.3812	2	46	0
	646.3813	1	26	0
	646.3910	4	9	0
	646.3911	1	35	0
	646.3912	4	11	0
	646.3913	1	12	0
	646.9410	1	30	0
	647.0112	2	184	0
	647.7703	2	26	0
	650.9201	2	23	0
	AN3-11A	10	273	0
	AN3-12A	2	120	0
	AN3-13A	1	49	0
	AN3-3A	4	294	0
	AN3-4A	10	400	0
	AN3-5A	2	250	0
	AN3-6A	2	201	0
	AN316C4R	2	100	0
	AN44-5A	2	38	0
	AN4C7A	2	252	0

AN665-34R	2	109	0
CCR264SS3-02	36	640	0
CR3213-5-3	14	491	0
MS20426AD5-7	2	449	0
MS20470AD5-5-5	8	617	0
MS20470AD5-6	8	409	0
MS20470AD5-7	3	966	0
MS21042L08	2	1,320	0
MS21042L3	63	1,911	0
MS21042L4	2	2,715	0
MS21047-3	18	450	0
MS24693-C278	5	96	0
MS24694-S51	5	174	0
MS24694-S54	2	131	0
MS24694-S55	3	323	0
MS27039-08-13	2	207	0
MS27039-1-10	2	268	0
MS27039-1-12	6	183	0
MS27039-1-16	24	488	0
MS27039-1-19	22	654	0
MS27039-1-20	2	95	0
MS27039-1-21	4	135	0
NAS1149F0332P	144	3,999	0
NAS1149F0363P	2	669	0
NAS1149F0432P	4	1,460	0
NAS1149FN832P	4	3,377	0

Part Specifications

Specifications could not be found.

Plex 3/30/20 8:26 AM Dart.Renwick.Jennifer

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES, INC. (DART) AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPRESS WRITTEN PERMISSION OF APICAL INDUSTRIES (DART) AEROSPACE IS PROHIBITED.

NOTES:

1. AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2. INSTALL F/N 14 WITH F/N 52 & 53.

3. 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.

4. 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5. REUSE FASTENERS FROM F/N 1.

6. USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7. AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8. INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9. NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	UNINCORPORATED				
1	1	1	77	646.9410	SHIM	△				
	4	4	76	601.2764	WASHER	MS1149F030P				
	2	2	75	601.2973	LOCKNUT	MS21042-08				
	2	2	74	601.2988	SCREW	MS21039-0813				
	2	2	73	601.2943	LOCKNUT	MS21042-8				
	2	2	72	601.3128	NUT	AN316ACR				
	2	2	71	601.3209	LOCKNUT	MS21042-4				
	4	4	70	601.2638	WASHER	MS1149F030P				
	2	2	69	601.2669	BOLT	AN467A				
	2	2	68	601.3119	CLEVIS	AN465-34R				
	2	2	67	601.3121	EYE BOLT	AN44-5A				
	2	2	66	650.9201	EYE BRACKET ASSY					
REF	REF	REF	65	647.5701	GPS MOUNT KIT	△				
		2	64	601.3151	WASHER	MS1149F030P				
			63	601.2911	SCREW	MS2046R4553				
	24	24	62	601.2637	SCREW	MS27039-1-16				
2	2	2	61	601.2763	BOLT	AN3-12A				
	1	1	60	646.3913	SHIM					
	4	4	59	646.3912	SHIM					
	1	1	58	646.3911	SHIM					
	4	4	57	646.3910	SHIM					
	5	5	56	600.1013	PRIMER					
8 FT	8 FT	8 FT	55	600.0129	VHB TAPE					
	1	1	54	600.1012	SEALANT	FR-1425 CLASS B				
	1	1	53	600.0991	MAGNABOND 6098 PART B	△				
	1	1	52	600.0990	MAGNABOND 6098 PART A	△				
6	10	10	51	601.2826	BOLT	AN3-1A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	MS27039-1-18				
	2	2	48	601.1365	SCREW	MS27039-1-10				
	2	2	47	646.3719	DOUBLER					
	2	2	46	646.3718	CUSTOM WASHER					
	1	1	45	646.3717	DOUBLER					
	22	2	44	601.1948	SCREW	MS27039-1-19				
	2	2	43	601.1952	SCREW	MS27039-1-20				
	4	4	42	601.1956	SCREW	MS27039-1-21				
404	405	404	403	402	401	FINO #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 02199, 02198, 02197 & 02196	02/08/2010	F. MAYO
B	INCORPORATED ECN 02044, 02043 & 02042	11/04/2014	F. MAYO
C	INCORPORATED ECN 02048	08/01/2015	F. MAYO

		2	2	41	601.2829	SCREW	MS2046R4554			
		2	2	40	601.2831	RIVET	MS20426AD5-7			
		1	1	39	646.3716	GAUGE BRACKET				
		6	6	38	601.1953	SCREW	MS27039-1-12			
	2	2	2	37	646.3715	STRUT DOUBLER				
	2	2	2	36	601.2824	BOLT	AN3-8A			
12	36		36	35	601.2277	RIVET	CC82453-02			
6	18		18	34	600.0795	NUTPLATE	MS21047-3			
3	3		3	33	601.2565	RIVET	MS20470AD5-7			
1	1		1	32	646.3813	STRUT BRACKET				
4	4		4	31	601.2822	BOLT	AN3-3A			
2	2		2	30	646.3812	GUSSET BRACKET				
8	8		8	29	601.2564	RIVET	MS20470AD5-6			
1	1		1	28	646.3714	GUSSET				
	1	1	1	27	646.3610	FILLER				
	3	3	3	26	601.2830	SCREW	MS2046R4555			
	2	2	2	25	601.2825	BOLT	AN3-8A			
	1	1	1	24	646.3811	RADIUS BLOCK				
	1	1	1	23	646.3712	CLIP				
	1	1	1	22	646.3711	CLIP				
8	8		8	21	601.2832	RIVET	MS2046R4553			
14	14		14	20	601.2020	RIVET	CR3213-3-5			
4	6	4	6	19	601.2823	BOLT	AN3-4A			
	1	1	1	18	601.2827	BOLT	AN3-13A			
	5	5	5	17	601.2912	SCREW	MS2046R4551			
1	1		1	16	646.3713	GUSSET				
1	1		1	15	646.3210	SUPPORT				
	1		1	14	646.3710	DOUBLER				
	1	1	1	13	646.3110	CHANNEL				
14	10	8	33	6	601.1624	LOCKNUT	MS21042L3			
16	32	18	120	16	601.1607	WASHER	MS1149F030P			
			1	10	646.3410	LH WIPER DEFLECTOR				
			1	9	646.3411	RH WIPER DEFLECTOR				
		2	2	8	647.7703	STRUT ASSY				
		2	2	7	647.0112	STRUT BRACKET				
	1	1	1	6	646.3511	STRUT				
	1	1	1	5	646.3510	STRUT				
2		2	2	4	646.3810	BRACKET				
		1	1	3	646.2910	DEFLECTOR				
	1	1	1	2	646.3001	LOWER CUTTER ASSY				
		1	1	1	646.3301	UPPER CUTTER ASSY				
X					646.4006	LOWER CUTTER FIXED PROVISIONS				
	X				646.4005	LOWER CUTTER REMOVABLE PROVISIONS				
		X			646.4004	FIXED PROVISIONS KIT				
			X		646.4003	CABLE CUTTERS RE WIPER/DEFLECTOR PROVISIONS				
			X		646.4002	AS350 WIPER DEFLECTOR KIT				
				X	646.4001	AS350 CABLE CUTTERS KIT				
406	405	404	403	402	401	FINO #	PART #	DESCRIPTION	MATL	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		DART 3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760) 724-5300 AEROSPACE APICAL INDUSTRIES, INC. 390 DART AEROSPACE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS .010 2 PLACE DECIMALS .005 3 PLACE DECIMALS .001 REV. C		AS350 CABLE CUTTERS KIT REV. C	